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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/525,595	03/24/2005	Antti Poikolainen	METSO-30	5863	
36528 7590 05/14/2007 STIENNON & STIENNON 612 W. MAIN ST., SUITE 201		7	EXAMINER HUG, ERIC J		
P.O. BOX 166					
MADISON, WI 53701-1667			ART UNIT	PAPER NUMBER	
			1731	•	
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•			MAIL DATE	DELIVERY MODE	
			. 05/14/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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-		Application No.	Applicant(s)	
Office Action Summary		10/525,595	POIKOLAINEN ET AL.	
		Examiner	Art Unit	
		Eric Hug	1731	
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address	
A SH WHIC - External after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we tree to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
	Responsive to communication(s) filed on 26 Fee This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	osecution as to the merits is	
Dispositi	ion of Claims			
5)□ 6)⊠ 7)⊠	Claim(s) 11-22 is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 11,12,16-19 and 22 is/are rejected. Claim(s) 13-15,20 and 21 is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.		
Applicati	on Papers			
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on <u>26 February 2005</u> is/are Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Ex	e: a)⊠ accepted or b)⊡ objecte drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority ι	ınder 35 U.S.C. § 119			
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachmen	t(s)			
2) 🔲 Notic 3) 🔯 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte	

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claims 11, 16-18, and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee (US 3,150,037).

Lee discloses a twin-wire forming section of a paper machine, shown in Figure 1 as comprising a first wire loop 23, a second wire loop 33, a suction roll 39 positioned within the first wire loop 23, and a suction box 71 having a curved surface positioned along curved path 43 within the second wire loop 33 and in opposed relationship with the suction roll 39. The suction zone of the suction roll clearly extends in the running direction beyond the suction box. These are the features of claim 11. In addition, a stock suspension from a headbox is supplied to the twin-wire former. Water is removed from the suspension as it travels over the suction roll 39. Beyond the suction roll, the web follows the first wire loop 23. Thus, the twin wire former accomplishes the method of claim 17.

Regarding claims 16 and 22, first forming wire loop 23 is positioned beneath second forming wire loop 33.

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Regarding claim 18, the negative pressures of suction roll 39 and suction box 71 are controlled for dewatering purposes. See column 6, lines 59-71. This would implicitly control the two-sidedness of the paper.

• 2. Claims 11, 12, 16, 17, 19, and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Heikkila et al (WO 01/31120)

Heikkila discloses a twin-wire forming section of a paper machine comprising a first wire loop 10, a second wire loop 11, a suction roll 18 positioned within the first wire loop 10, and a suction box 17 having a curved surface positioned within the second wire loop 11 and in opposed relationship with the suction roll 18. The suction zone of the suction roll may extend in the running direction beyond the suction box as shown in Figure 4. In addition, a stock suspension from a headbox is supplied to the twin-wire former. Water is removed from the suspension as it travels over the suction roll 18. Beyond the suction roll, the web follows the first wire loop 10. Thus, the twin wire former accomplishes the method of claim 17.

Regarding claims 12 and 19, the two wires are separated at the suction roll in Figure 4.

Regarding claims 16 and 22, first forming wire loop 10 is positioned beneath second forming wire loop 11.

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Allowable Subject Matter

Claims 13-15 and 20-21 are objected to as being dependent upon a rejected base claim,

but would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Claims 13 and 20 are allowable for dividing the suction zone of the suction roll into two

zones, the second of which extends beyond the suction box in the running direction.

Claims 14, 15, and 21 are allowable for providing a third wire, a second suction roll

within the third wire, and a second curved suction box within the first wire opposing the second

suction roll.

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure:

Kankaanpaa (US 4,406,739) discloses a twin-wire forming section of a paper machine

comprising a first wire loop 12, a second wire loop 13, a suction roll 23 positioned within the

second wire loop 13, and a suction box 30 having a curved surface positioned within the first

wire loop 12 and in opposed relationship with the suction roll 23. The suction zone of the

suction box extends in the running direction beyond that of the suction roll.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Hug whose telephone number is 571 272-1192.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571 272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eric Hug

Primary Examiner